

Application No.: 09/623,543

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**AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application:

**Claims 1-21 (Canceled).**

**Claim 22 (Previously Presented):** A method for providing an anti-angiogenic effect to a patient, comprising administering to the patient a modified kringle 5 peptide wherein said kringle 5 peptide comprises SEQ ID NO: 8 and a reactive group coupled thereto, said reactive group reacting with an amino group, a hydroxyl group, or a thiol group on a blood component to form a stable covalent bond, wherein said reactive group is a succinimidyl-containing group or a maleimido-containing group.

**Claim 23 (Canceled).**

**Claim 24 (Previously Presented):** The method of claim 22, wherein said blood component is a blood protein.

**Claim 25 (Previously Presented):** The method of claim 22, wherein said modified peptide is reactive with a thiol group on a blood protein.

**Claims 26-27 (Canceled).**

**Claim 28 (Previously Presented):** A method for providing an anti-angiogenic effect to a patient, comprising administering to the patient a modified kringle 5 peptide comprising a kringle 5 peptide with a maleimido group coupled thereto, said maleimido group reacting with a thiol group on human serum albumin to form a stable covalent bond wherein said kringle 5 peptide comprises SEQ ID NO: 8.

**Claim 29-32 (Canceled).**

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**Claim 33 (Previously Presented):** A method for providing an anti-angiogenic effect to a patient, comprising administering to the patient a modified kringle 5 peptide of the sequence (MPA)-Pro-Arg-Lys-Leu-Tyr-Asp-NH<sub>2</sub> (SEQ ID NO: 39).

**Claim 34 (Previously Presented):** A method of using a modified kringle 5 peptide wherein said kringle 5 peptide comprises SEQ ID NO: 8 and a maleimido group coupled to said kringle 5 peptide wherein said maleimido group reacts with a thiol group on a blood protein to form a covalent bond, for manufacturing an anti-angiogenic medicament.

**Claim 35 (Currently Amended):** A conjugate comprising a modified kringle 5 peptide covalently bonded to a blood component, where said modified kringle 5 peptide comprises SEQ ID NO: 8 and a reactive group coupled thereto ~~wherein said reactive group reacts with an amino group, a hydroxyl group, or a thiol group on said blood component to form a stable covalent bond, and, wherein said~~ reactive group is a succinimidyl-containing or a maleimido-containing group, and wherein said reactive group is covalently bonded to a thiol group on the blood component.

**Claim 36 (Previously Presented):** The conjugate of claim 35, wherein said blood component is a blood protein.

**Claim 37 (Canceled).**

**Claim 38 (Currently Amended):** The conjugate of claim 36, wherein said reactive group is covalently bonded to ~~[[a]]~~ the thiol group on said blood protein.

**Claims 39-41 (Canceled).**

**Claim 42 (Previously Presented):** A composition for providing an anti-angiogenic effect to a patient, comprising a conjugate of claim 35 in association with a pharmaceutically acceptable carrier.

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**Claim 43 (Previously Presented):** The composition of claim 42, wherein said blood component is a blood protein.

**Claim 44 (Canceled).**

**Claim 45 (Currently Amended):** The composition of claim 42, wherein said reactive group is covalently bonded to ~~[[a]]~~ the thiol group on said blood protein.

**Claim 46-48 (Canceled).**

**Claim 49 (Currently Amended):** A conjugate comprising a modified kringle 5 peptide covalently bonded to albumin, where said modified kringle 5 peptide comprises SEQ ID NO: 8 and a reactive group coupled thereto, ~~wherein said reactive group reacts with an amine group, a hydroxyl group or a thiol group on albumin to form stable covalent bond, and wherein said reactive group is a succinimidyl-containing and maleimido-containing group covalently bonded to a thiol group on the albumin.~~

**Claim 50 (Previously Presented):** The method of claim 22 wherein said reactive group is a succinimidyl-containing group.

**Claim 51 (Previously Presented):** The method of claim 22 wherein said reactive group is a maleimido-containing group.

**Claim 52 (Previously Presented):** The conjugate of claim 35 wherein said reactive group is a succinimidyl-containing group.

**Claim 53 (Previously Presented):** The conjugate of claim 35 wherein said reactive group is a maleimido-containing group.

**Claim 54-55 (Canceled).**

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**Claim 56 (New):** A composition comprising the conjugate of claim 49 in association with a pharmaceutically acceptable carrier.

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